

**IN THE SPECIFICATION:**

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~striketrough~~.

Please REPLACE paragraph [0015] on pages 3 and 4 with the following amended paragraph:

**[0015]** Each of the additional data areas D contains a plurality of additional data 21 separated by a plurality of second sync patterns 23. Here, as will be explained later, the first sync patterns 13 have modulation codes corresponding to sync numbers shown in Tables 1 and 2 and are formed by combining predetermined selected sync numbers. The second sync patterns 23 are formed of predetermined ~~type~~types of patterns denoted by reference numerals 23a and 23b according to the same method as the plurality of first sync patterns 13.

Please REPLACE paragraph [0024] (including Table 1) on page 5 with the following amended paragraph:

**[0024]** As can be seen in Table 1, a RLL (1,7) code is used. Each sync body has 18 bits, and each sync ID has 6 bits. The user data area C includes 9 user data frames ~~for~~having corresponding sync data, and the additional data area D includes two ~~user~~additional data frames ~~for~~having corresponding sync data.

Table 1

Sync No.	18-Bit Sync Body	6-Bit Sync ID	Remark
0	001 001 010 000 000 010	000 0001	User Data Area Sync Data
1	001 001 010 000 000 010	010 010	
2	001 001 010 000 000 010	101 000	
3	001 001 010 000 000 010	100 001	
4	001 001 010 000 000 010	000 100	
5	001 001 010 000 000 010	001 001	
6	001 001 010 000 000 010	010 101	
7	001 001 010 000 000 010	010 000	
8	001 001 010 000 000 010	101 010	
9	001 001 010 000 000 010	100 101	Additional Data Area Sync Data
10	001 001 010 000 000 010	101 001	

Please REPLACE paragraph [0025] (including Table 2) on pages 5 and 6 (which was previously replaced with amended paragraph [0025] (including Table 2) on page 4 of the Amendment of February 29, 2008) with the following amended paragraph:

**[0025]** As can be seen in Table 2, a RLL (2,10) code is used. Each sync body has 22 bits, and each sync ID has 10 bits. The user data area C includes 7 user data frames ~~for~~having corresponding sync data, and the additional data area D includes 2 ~~user~~additional data frames ~~for~~having corresponding sync data.

Table 2

Sync No.	22-Bit Sync Body	10-Bit Sync ID	Remark
0	100 001 000 000 000 000 010 0	010 001 000 1	User Data Area Sync Data
1	100 001 000 000 000 000 010 0	000 100 100 1	
2	100 001 000 000 000 000 010 0	010 000 010 0	
3	100 001 000 000 000 000 010 0	001 000 000 0	
4	100 001 000 000 000 000 010 0	100 100 100 0	
5	100 001 000 000 000 000 010 0	010 000 100 0	
6	100 001 000 000 000 000 010 0	000 010 000 0	
7	100 001 000 000 000 000 010 0	001 001 000 1	Additional Data Area Sync Data
8	100 001 000 000 000 000 010 0	010 010 010 0	

Please REPLACE paragraph [0026] on page 6 with the following amended paragraph:

**[0026]** As shown in Tables 1 and 2, the sync data in the additional data D area ~~has~~have different patterns as compared to the sync data in the user data area C. In other words, the sync IDs of the second sync patterns 23 have sync patterns not used as the first sync patterns 13. Therefore, the additional data areas D can be managed and can be distinctly differentiated from the user data areas C.